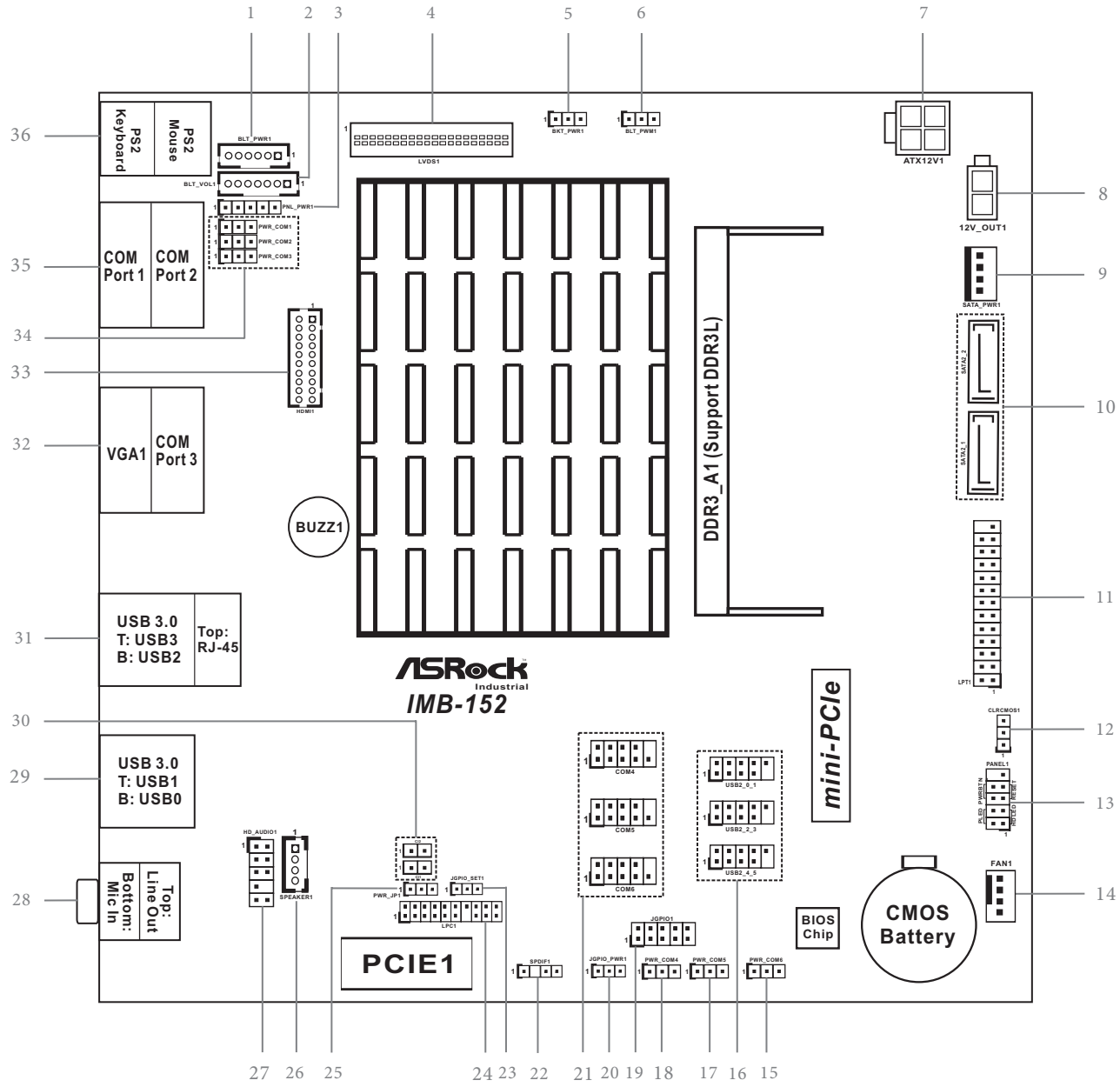




ASRock® Jumpers and headers setting guide

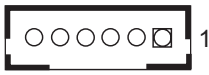
IMB-152

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1 : Backlight Power Connector (BLT_PWR1)

PIN	Signal Name
1	GND
2	GND
3	BL CTL
4	BL EN
5	LCD_BLT_VCC
6	LCD_BLT_VCC



2 : Backlight Volume Control (BLT_VOL1)

PIN	Signal Name
1	GPIO_VOL_UP
2	GPIO_VOL_DW
3	PWRDN
4	LVDS1 BLUP
5	LVDS1 BLDW
6	GND
7	GND

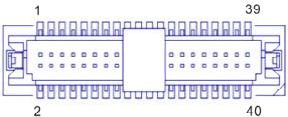


3 : Panel Power Selection (LCD_VCC) (PNL_PWR1)

1-2: LVDD: +3V
2-3: LVDD: +5V
4-5: LVDD: +12V



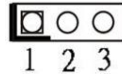
4 : LVDS Panel Connector



PIN	Signal Name	PIN	Signal Name
1	LCD_VCC	2	LCD_VCC
3	+3.3V	4	LDDC_CLK
5	LDDC_DATA	6	LVDS_A_DATA0#
7	LVDS_A_DATA0	8	GND
9	LVDS_A_DATA1#	10	LVDS_A_DATA1
11	GND	12	LVDS_A_DATA2#
13	LVDS_A_DATA2	14	GND
15	LVDS_A_DATA3#	16	LVDS_A_DATA3
17	GND	18	LVDS_A_CLK#
19	LVDS_A_CLK	20	GND
21	LVDS_B_DATA0#	22	LVDS_B_DATA0
23	GND	24	LVDS_B_DATA1#
25	LVDS_B_DATA1	26	GND
27	LVDS_B_DATA2#	28	LVDS_B_DATA2
29	LVDD_EN	30	LVDS_B_DATA3#
31	LVDS_B_DATA3	32	GND
33	LVDS_B_CLK#	34	LVDS_B_CLK
35	GND	36	CON_LBKL_T_EN
37	CON_LBKL_CTL	38	LCD_BLT_VCC
39	LCD_BLT_VCC	40	LCD_BLT_VCC

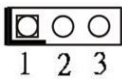
5 : Backlight Power Selection (LCD_BLT_VCC) (BKT_PWR1)

1-2: LCD_BLT_VCC: +5V
2-3: LCD_BLT_VCC: +12V



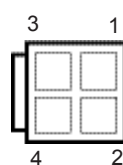
6 : BLT_PWM1

1-2: +3V Level
2-3: +5V Level



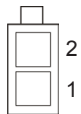
7 : ATX Power Connector (Input 12V)

1-2: GND
3-4: DC Input

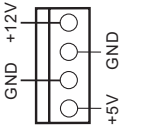


8 : +12V_OUT1 Connector

Pin1: GND
Pin2: +12V



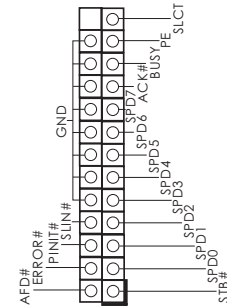
9 : SATA Power Output Connector



10 : SATA2 Connectors (SATA2_1, SATA2_2)

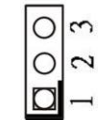


11 : Printer Port Header

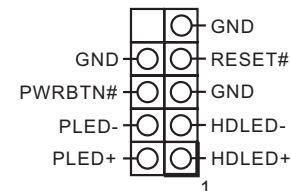


12 : Clear CMOS Header

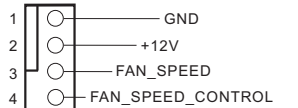
1-2: Normal
2-3: Clear CMOS



13 : System Panel Header

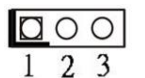


14 : 4-Pin FAN Connector (+12V)

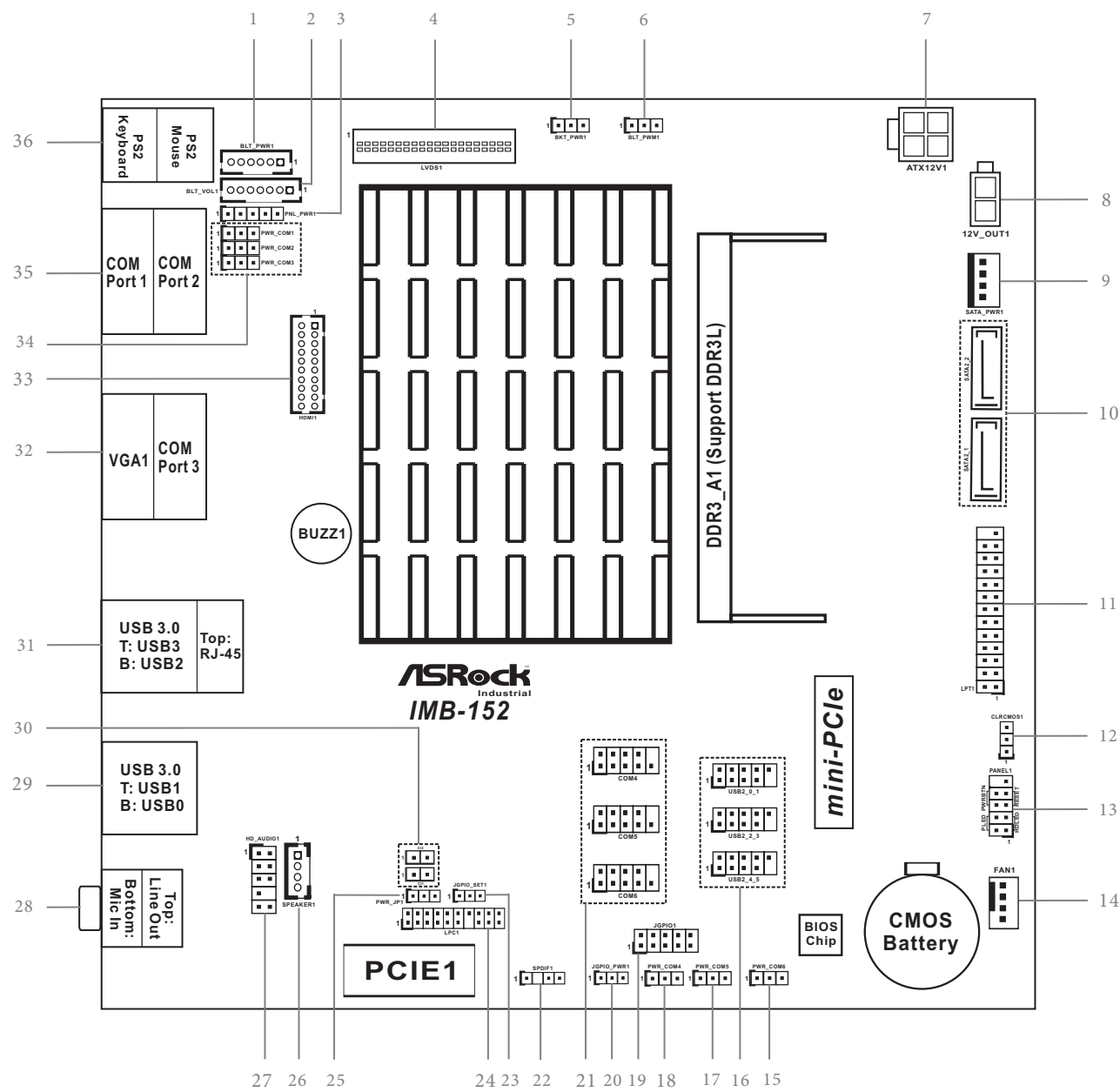


COM Port PWR Setting Jumpers

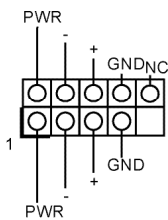
15: PWR_COM6 (For COM Port6)
17: PWR_COM5 (For COM Port5)
18: PWR_COM4 (For COM Port4)
34: PWR_COM1, 2, 3 (For COM Port1, 2, 3)



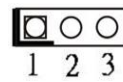
1-2: +5V
2-3: +12V



16 : USB2.0 Connectors
(USB2_0_1, USB2_2_3,
USB2_4_5)

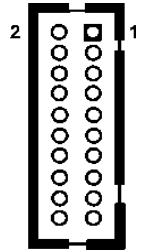


25 : ATX/AT Mode Selection
1-2: AT Mode
2-3: ATX Mode



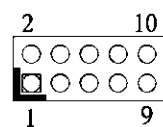
33 : HDMI Connector

PIN	Signal Name	PIN	Signal Name
2	NC	1	GND
4	GND	3	TMDS CLK-
6	TMDS DATA1+	5	TMDS CLK+
8	TMDS DATA1-	7	GND
10	GND	9	GND
12	DDC DATA	11	TMDS DATA0+
14	DDC CLK	13	TMDS DATA0-
16	GND	15	GND
18	TMDS DATA2+	17	HOT PLUG
20	TMDS DATA2-	19	+5V



19 : Digital Input / Output Pin Header

PIN	Signal Name	PIN	Signal Name
1	SIO_GP24/RXD	2	SIO_GP20/CTS
3	SIO_GP25/TXD	4	SIO_GP21/DSR
5	SIO_GP26/DCD	6	SIO_GP22/RTS
7	SIO_GP27/RI	8	SIO_GP23/DTR
9	JGPO_PWR	10	GND

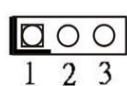


26 : 3W Audio AMP Output Wafer

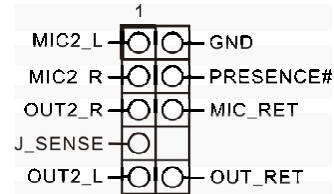
PIN	Signal Name
1	OUTLN
2	OUTLP
3	OUTRP
4	OUTRN



20 : Digital Input / Output Power Select
1-2: +12V
2-3: +5V

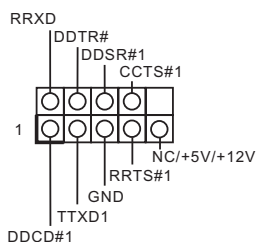


27 : Front Panel Audio Header



35 : Top: COM Port 2 (RS232)
Bottom: COM Port 1 (RS232)
36 : Top (Green) – PS/2 Mouse
Bottom (Purple) – PS/2 Keyboard

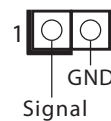
21 : COM4, 5, 6 Headers (RS232)



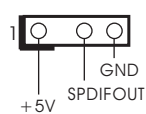
28 : Audio Output
Green – Line Out
Pink – Mic In

29 : USB3.0 (USB3_0_1)

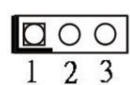
30 : Chassis Intrusion Headers
CI1:
Close: Active case open
Open: Normal
CI2:
Close: Normal
Open: Active case open



22 : SPDIF Header



23 : JGPIO_SET1
1-2: +3V
2-3: GND



24 : LPC Header

